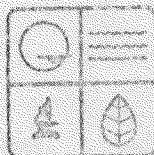


JOSEPH P. TEASDALE
GOVERNOR



CAROLYN ASHFORD
DIRECTOR

missouri department of natural resources

2010 Missouri Blvd.

P.O. Box 1368

Jefferson City, Missouri 65101

314-751-3241

3.500 Franklin County
Labadie Plant

NPDES Permit No. MO-0004812

July 15, 1977

Union Electric Company
1901 Gratiot Street
St. Louis, MO 63166

Gentlemen:

Attached are pages 2 and 3 of the existing NPDES Permit No. MO-0004812 removing temperature limitations from Outfall #003 and inserting Btu/hour Interim Limitations 10.63×10^6 , Final Limitations 10.63×10^6 and giving approval of the 316a request for Outfall #003.

This letter and the revised pages 2 and 3 should be affixed to the NPDES Permit as it becomes a part thereof.

This modification does not affect any monitoring or analysis of the effluent that may be necessary to comply with the Schedule of Compliance of your Permit, and does not in any way relieve you of your obligation to achieve the final effluent limitations as provided in the permit.

Also enclosed are copies of the report form that should be used for submission of the required quarterly monitoring reports. The due date of the first quarterly monitoring report reflecting the modification is shown on the revised page 2.

If you have any questions, please contact this office or our Regional Office at 8460 Watson Road, St. Louis, MO 63119, phone (314) 849 1313.

Sincerely,

ORIGINAL SIGNED BY
CAROLYN ASHFORD
DEPARTMENT OF NATURAL RESOURCES


Carolyn Ashford
Director

CA/RHH/hc

cc: SLRO
EPA-Permit Section
.900

Division of Environmental Quality

ED_001094_00000076-00001

A. EFFLUENT LIMITATIONS AND MONITORING REQUIREMENTS

The permittee is authorized to discharge from outfall(s) with serial number(s) as specified in the application for this permit. The effluent limitations shall become effective on the dates specified herein. Such discharges shall be controlled, limited, and monitored by the permittee as specified below:

Effective Date Outfall Number and Effluent Parameter(s)	<u>EFFLUENT LIMITATIONS</u>		<u>MONITORING REQUIREMENTS</u>	
	Interim Limitations	Interim Limitations	Final Limitations	
		Issuance	7/1/77	
		Daily Average	Daily Average	Measurement Frequency
		kg/day (lb/day)	mg/l	Sample Type
<u>Outfall #001</u>				
Flow-m ³ /Day (MGD)		no limits	no limits	once/week 24 hour total
Total Suspended Solids*		780 (1700)	30	once/week grab
Oil & Grease*		160 (360)	15	once/week grab
pH - Units (Not to be averaged)		6.0-9.2	6.0-9.0	once/week grab
<u>Outfall #002</u>				
Flow-m ³ /Day (MGD)		no limits	no limits	once/month 24 hour total
<u>Outfall #003</u>				
Flow-m ³ /Day (MGD)		no limits	no limits	once/day 24 hour total
Temperature (intake)		no limits	no limits	once/day grab
Temperature (Btu/hr)		10.63 x 10 ⁹	10.63 x 10 ⁹	once/day grab
<u>Outfall #004</u>				
Flow-m ³ /Day (MGD)		no limits	no limits	once/month 24 hour total
<u>Outfall #005</u>				
Flow-m ³ /Day (MGD)		no limits	no limits	once/month 24 hour total
<u>Outfall #006</u>				
Flow-m ³ /Day (MGD)		no limits	no limits	once/month 24 hour total
Total Suspended Solids*		no limits	30	once/month grab
pH - Units (Not to be averaged)		no limits	6.0-9.0	once/month grab
* The final net quantitative limitations will be computed utilizing the flow data cumulated during the interim period.				

Monitoring reports shall be submitted quarterly ; the first report is due 10/28/77
There shall be no discharge of floating solids or visible foam in other than trace amounts.

B. STANDARD CONDITIONS

In addition to specified conditions stated herein, this permit is subject to the attached Part I standard conditions dated October 1, 1975, and hereby incorporated as though fully set forth herein.

C. SCHEDULE OF COMPLIANCE

See Attached

C. SCHEDULE OF COMPLIANCE

1. Serial Numbers #001, #006

Report of Progress - January 1, 1976
Report of Progress - July 1, 1976
Report of Progress - January 1, 1977
Compliance with final effluent limitations by July 1, 1977.

2. Serial Numbers #002, #004, & #005

Not Applicable

3. Discharge #003

The permittee applied for alternate thermal limitations under Section 316a. The study submitted by the Company has been approved by the Department and alternate thermal limitations have been applied.

D. OTHER REQUIREMENTS

1. Discharge Limitations

- a. After July 1, 1977, there shall be no discharge of polychlorinated biphenyl compounds.
- b. After July 1, 1977, and except for any untreated overflow from facilities designed, constructed and operated to treat the volume of material storage runoff and construction runoff which is associated with a 10 year, 24 hour rainfall event, discharges resulting from material storage runoff and construction runoff shall comply with the following limitations:
 - (1) Total suspended solids shall not exceed 50 mg/l at any time.
 - (2) The pH shall not be less than 6.0 standard units nor greater than 9.0 standard units at any time.
- c. Discharge of wastewater from this facility must not alone or in combination with other sources cause the receiving stream to violate the following:
 - (1) Water temperatures and temperature differentials specified in Missouri Water Quality Standards shall be met.
 - (2) In addition, the permittee shall perform the following thermal monitoring: